

REDACTED

LB00015

United States Environmental Protection Agency
Region 4



OTIE

Oneida Total Integrated Enterprises



35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of 1

Inclusive Dates: 12/03/12 - 12/07/12

List of Sampling Team in logbook:

Name

Initials

Organization/Duties

(b) (6)

OTIE, Team Leader

Aerostar SES

AEROSTAR SES

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Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and \leq ¼-acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over ¼-acre in parcel lot size will be divided into ¼-acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SEDS FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SEDS FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with "A".

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with "CS" (composite soil), "GS" (grab soil), "SD" (sediment), or "SW" (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a "D" to the end of the sample ID. Pan splits will be identified by appending an "SP" to the end of the sample ID.

ADDRESS: (b) (6) PROPERTY ID: CV0644
DATE: 12/03/12 ARRIVAL TIME: 1320

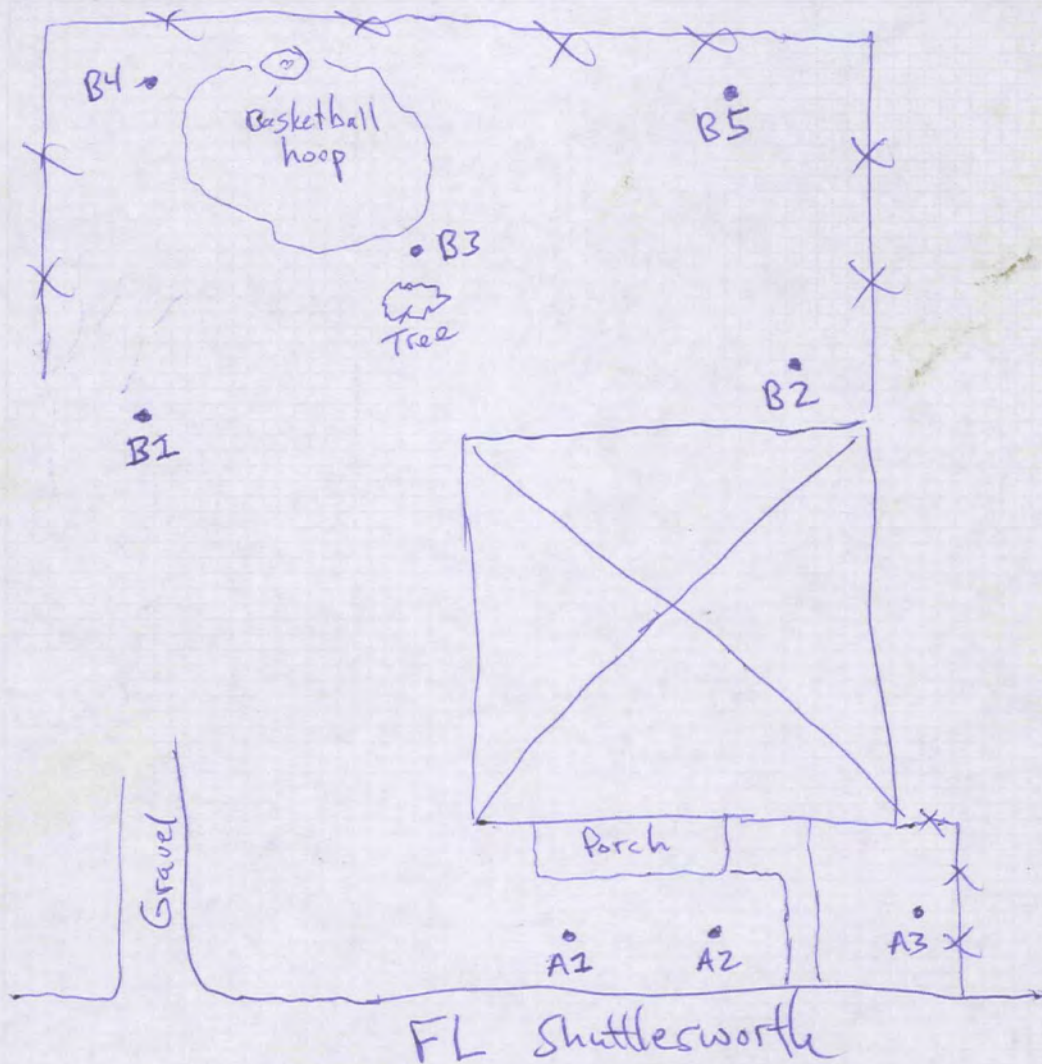
Other pertinent information (weather conditions, etc.):

~70°F + cloudy

PROPERTY COMMENTS:

No drainage area or garden

Grid for property sketch



A1 to house is 19 feet
B5 to house is 58 feet

STATION ID: CV0644A SAMPLE ID: CV0644A-CS
SAMPLE COLLECTION TIME: 1400

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018595</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.55859647</u>	N Longitude	<u>86.80163730</u>	W
	Media description:	<u>Dk brown silty clay damp</u>			
Aliquot #2:	Latitude:	<u>33.55857281</u>	N Longitude	<u>86.80165363</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #3:	Latitude:	<u>33.55854313</u>	N Longitude	<u>86.80165435</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #4:	Latitude:	_____	N Longitude	_____	W
	Media description:	_____			
Aliquot #5:	Latitude:	_____	N Longitude	_____	W
	Media description:	_____			

STATION ID: CV0644B SAMPLE ID: CV0644B-CS
SAMPLE COLLECTION TIME: 1425

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018595</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.55852252</u>	N Longitude	<u>86.80141752</u>	W
	Media description:	<u>Dk brn silt with gravel damp</u>			
Aliquot #2:	Latitude:	<u>33.55842971</u>	N Longitude	<u>86.80145100</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #3:	Latitude:	<u>33.55841565</u>	N Longitude	<u>86.80136423</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #4:	Latitude:	<u>33.55840210</u>	N Longitude	<u>86.80127821</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #5:	Latitude:	<u>33.55835202</u>	N Longitude	<u>86.80133967</u>	W
	Media description:	<u>Same soil with coal fragments</u>			

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0737

DATE: 12/03/12 ARRIVAL TIME: 1500

Other pertinent information (weather conditions, etc.):

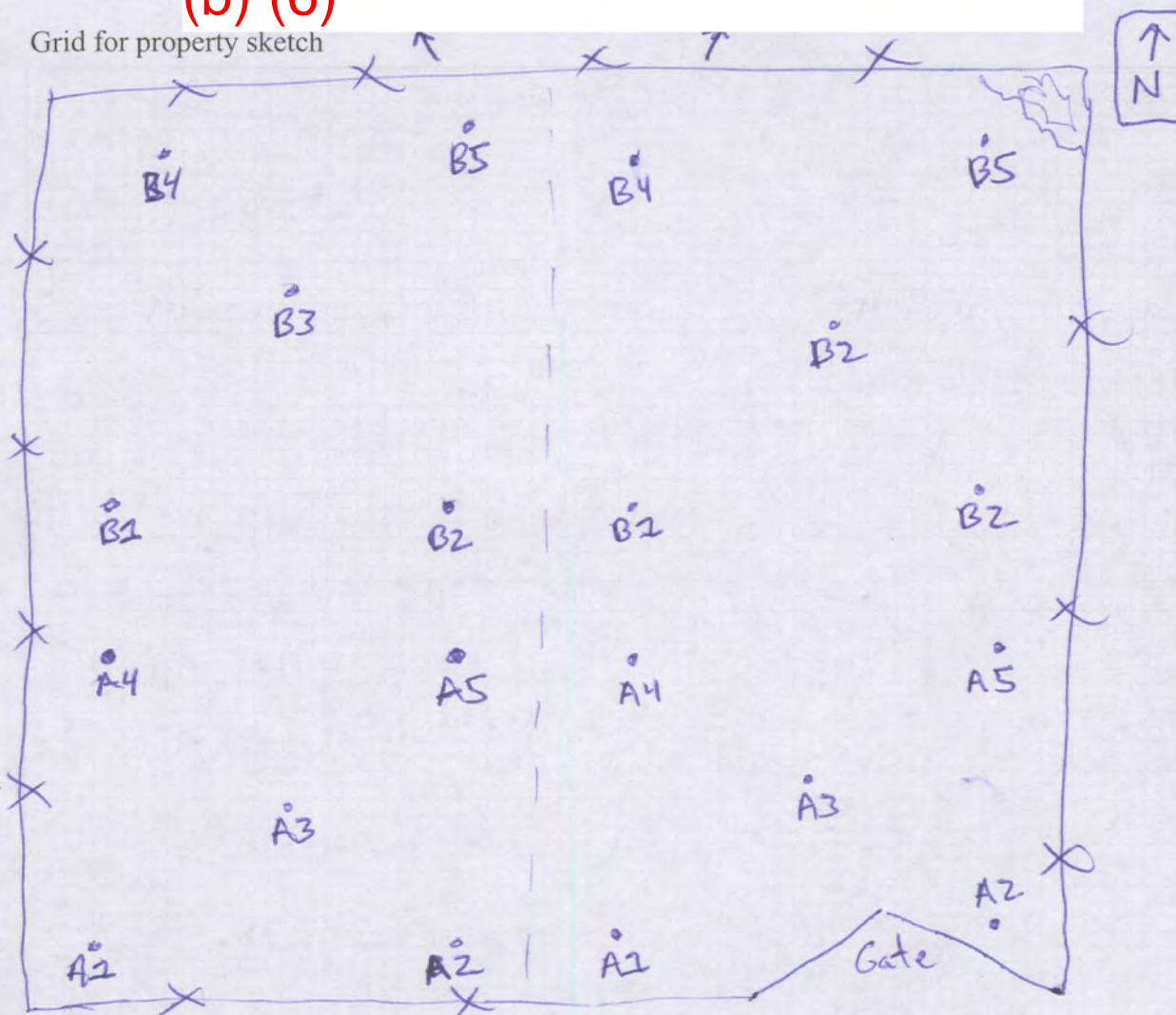
~ 70°F, cloudy + windy

PROPERTY COMMENTS:

Fenced vacant parcels with rocky outcrops.
3437 + 3435 31st Ave North are adjacent parcels.

(b) (6)

Grid for property sketch



(b) (6)

STATION ID: CV0737ASAMPLE ID: CV0737A-CSSAMPLE COLLECTION TIME: 1530

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front halfCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____GPS Coordinates: Trimble ☒ Instrument #: 018595 Logged? ☒ or NAliquot #1: Latitude: 33.55352915 N Longitude 86.79681808 WMedia description: Dk brn silty soil dampAliquot #2 Latitude: 33.55354492 N Longitude 86.79692624 WMedia description: Same SoilAliquot #3: Latitude: 33.55346746 N Longitude 86.79686952 WMedia description: Same SoilAliquot #4: Latitude: 33.55341553 N Longitude 86.79681790 WMedia description: Same SoilAliquot #5: Latitude: 33.55339594 N Longitude 86.79692056 WMedia description: Same SoilSTATION ID: CV0737BSAMPLE ID: CV0737B-CSSAMPLE COLLECTION TIME: 1606

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back halfCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____GPS Coordinates: Trimble ☒ Instrument #: _____ Logged? ☒ or NAliquot #1: Latitude: 33.55335577 N Longitude 86.79681832 WMedia description: Dk brn silty soil dampAliquot #2 Latitude: 33.55335609 N Longitude 86.79691650 WMedia description: Same SoilAliquot #3: Latitude: 33.55331054 N Longitude 86.79686079 WMedia description: Same SoilAliquot #4: Latitude: 33.55324884 N Longitude 86.79682518 WMedia description: Same SoilAliquot #5: Latitude: 33.55326017 N Longitude 86.79689772 WMedia description: Same Soil

ADDRESS: (b) (6) _____ PROPERTY ID: CV0738

DATE: 12/03/12 _____ ARRIVAL TIME: 1500

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

3437 31st Ave North is directly adjacent to
3435 31st Ave N. Both are vacant with a
fence around the 2 parcels.

Grid for property sketch

See sketch on page 8.

STATION ID: CV0738ASAMPLE ID: CV0738A-CSSAMPLE COLLECTION TIME: 1610

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front halfCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018595</u>	Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.55353643</u>	N Longitude	<u>86.79666300</u>	W
	Media description:	<u>Dk brn silty soil damp</u>			
Aliquot #2:	Latitude:	<u>33.55355473</u>	N Longitude	<u>86.79677544</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #3:	Latitude:	<u>33.55347477</u>	N Longitude	<u>86.79671674</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #4:	Latitude:	<u>33.55341617</u>	N Longitude	<u>86.79665691</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #5:	Latitude:	<u>33.55341056</u>	N Longitude	<u>86.79677382</u>	W
	Media description:	<u>Same soil</u>			

STATION ID: CV0738BSAMPLE ID: CV0738B-CSSAMPLE COLLECTION TIME: 1625

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back halfCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:		Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.55336466</u>	N Longitude	<u>86.79665297</u>	W
	Media description:	<u>Dk brn silty soil damp</u>			
Aliquot #2:	Latitude:	<u>33.55336952</u>	N Longitude	<u>86.79676726</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #3:	Latitude:	<u>33.55329965</u>	N Longitude	<u>86.79672761</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #4:	Latitude:	<u>33.55325208</u>	N Longitude	<u>86.79670470</u>	W
	Media description:	<u>Same soil</u>			
Aliquot #5:	Latitude:	<u>33.55326038</u>	N Longitude	<u>86.79677284</u>	W
	Media description:	<u>Same soil</u>			

(b) (6)

ADDRESS:

PROPERTY ID: CV0577

DATE:

12/04/12

ARRIVAL TIME:

0830

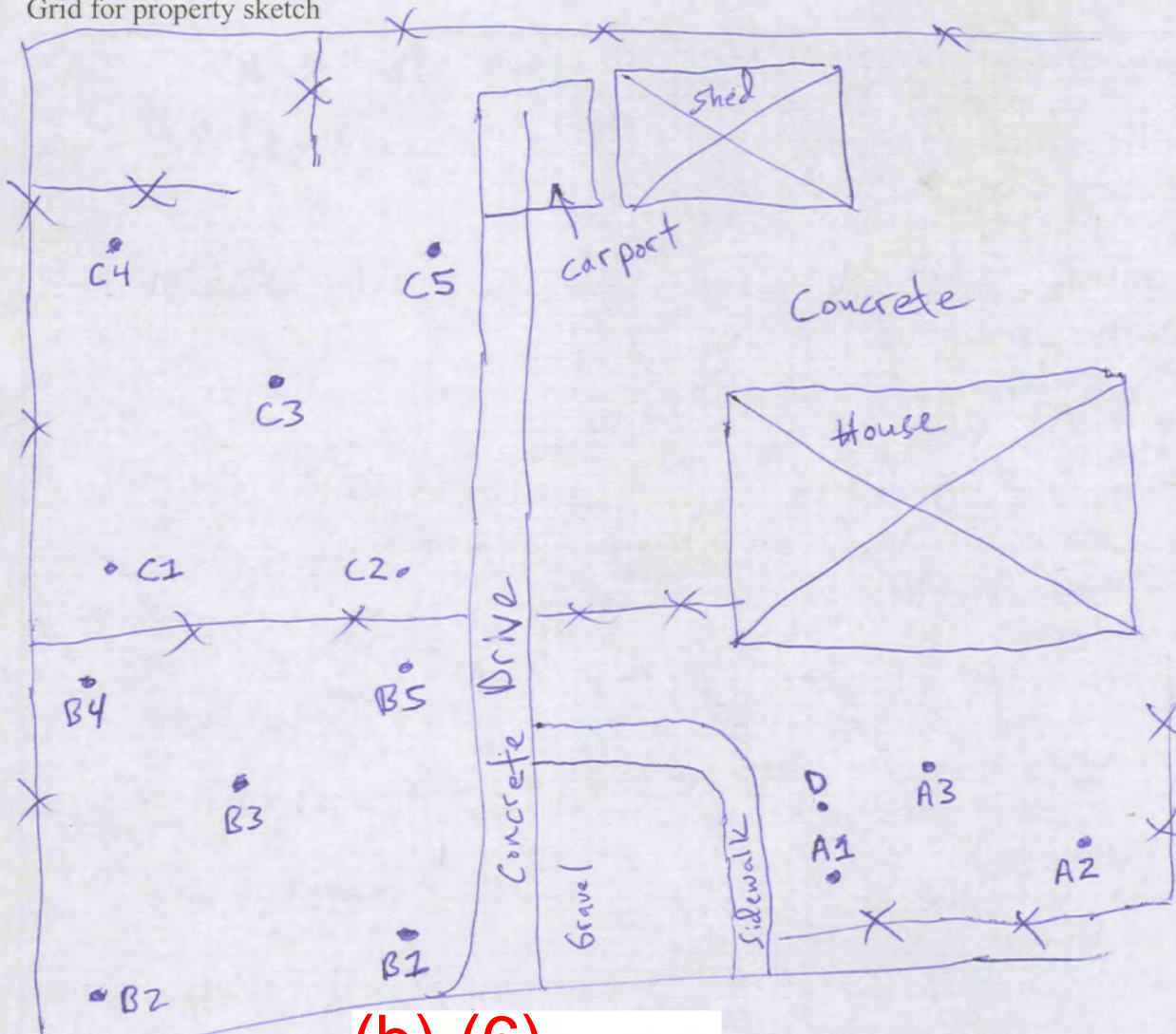
Other pertinent information (weather conditions, etc.):

68°F, cloudy + breezy

PROPERTY COMMENTS:

No distinct drainage area, no visible garden + no playset. Correction did observe a drainage area is the front yard.

Grid for property sketch



(b) (6)

A2 to house = 21 feet
C4 to house = 44 feet

B2 to house is 53 feet.

STATION ID: CV0577A SAMPLE ID: CV0577A-CS

SAMPLE COLLECTION TIME: 0845

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018581</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55978206</u>	N Longitude: <u>86.79900109</u>	W
Media description: <u>DK brn silt damp</u>		
Aliquot #2: Latitude: <u>33.55983021</u>	N Longitude: <u>86.79905590</u>	W
Media description: <u>Same soil</u>		
Aliquot #3: Latitude: <u>33.55978707</u>	N Longitude: <u>86.79905095</u>	W
Media description: <u>Same soil</u>		
Aliquot #4: Latitude: _____	N Longitude: _____	W
Media description: <u>Same soil</u>		
Aliquot #5: Latitude: _____	N Longitude: _____	W
Media description: <u>Same soil</u>		

STATION ID: CV0577B SAMPLE ID: CV0577B-CS

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front/Side yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: _____	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55974015</u>	N Longitude: <u>86.79892325</u>	W
Media description: <u>DK brn silt damp</u>		
Aliquot #2: Latitude: <u>33.55970393</u>	N Longitude: <u>86.79887774</u>	W
Media description: <u>Same soil</u>		
Aliquot #3: Latitude: <u>33.55968716</u>	N Longitude: <u>86.79893207</u>	W
Media description: <u>Same soil</u>		
Aliquot #4: Latitude: <u>33.55963371</u>	N Longitude: <u>86.79894002</u>	W
Media description: <u>Same soil</u>		
Aliquot #5: Latitude: <u>33.55968112</u>	N Longitude: <u>86.79899971</u>	W
Media description: <u>Same soil</u>		

ADDRESS: (b) (6) PROPERTY ID: CV0577

DATE: 12/04/12 ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

See sketch on page 12.

STATION ID: CV0577C SAMPLE ID: CV0577C-CS

SAMPLE COLLECTION TIME: 0910

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: _____		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55962230</u>	N Longitude <u>86.79897508</u>	W	
Media description: <u>Dk brn silt damp</u>			
Aliquot #2 Latitude: <u>33.55966283</u>	N Longitude <u>86.79903181</u>	W	
Media description: <u>Same soil</u>			
Aliquot #3: Latitude: <u>33.55960720</u>	N Longitude <u>86.79904275</u>	W	
Media description: <u>Same soil</u>			
Aliquot #4: Latitude: <u>33.55953951</u>	N Longitude <u>86.79905718</u>	W	
Media description: <u>Same soil</u>			
Aliquot #5: Latitude: <u>33.55960082</u>	N Longitude <u>86.79911686</u>	W	
Media description: <u>Same soil</u>			

STATION ID: CV0577D SAMPLE ID: CV0577D-GS

SAMPLE COLLECTION TIME: 0920

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Drainage in Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: _____		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55977536</u>	N Longitude <u>86.79901607</u>	W	
Media description: <u>Dk brn silt damp</u>			
Aliquot #2 Latitude: _____	N Longitude _____	W	
Media description: _____			
Aliquot #3: Latitude: _____	N Longitude _____	W	
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude _____	W	
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude _____	W	
Media description: _____			

ADDRESS: (b) (6) PROPERTY ID: FM0240
AA0005²⁵
DATE: 12/04/12 ARRIVAL TIME: 1020

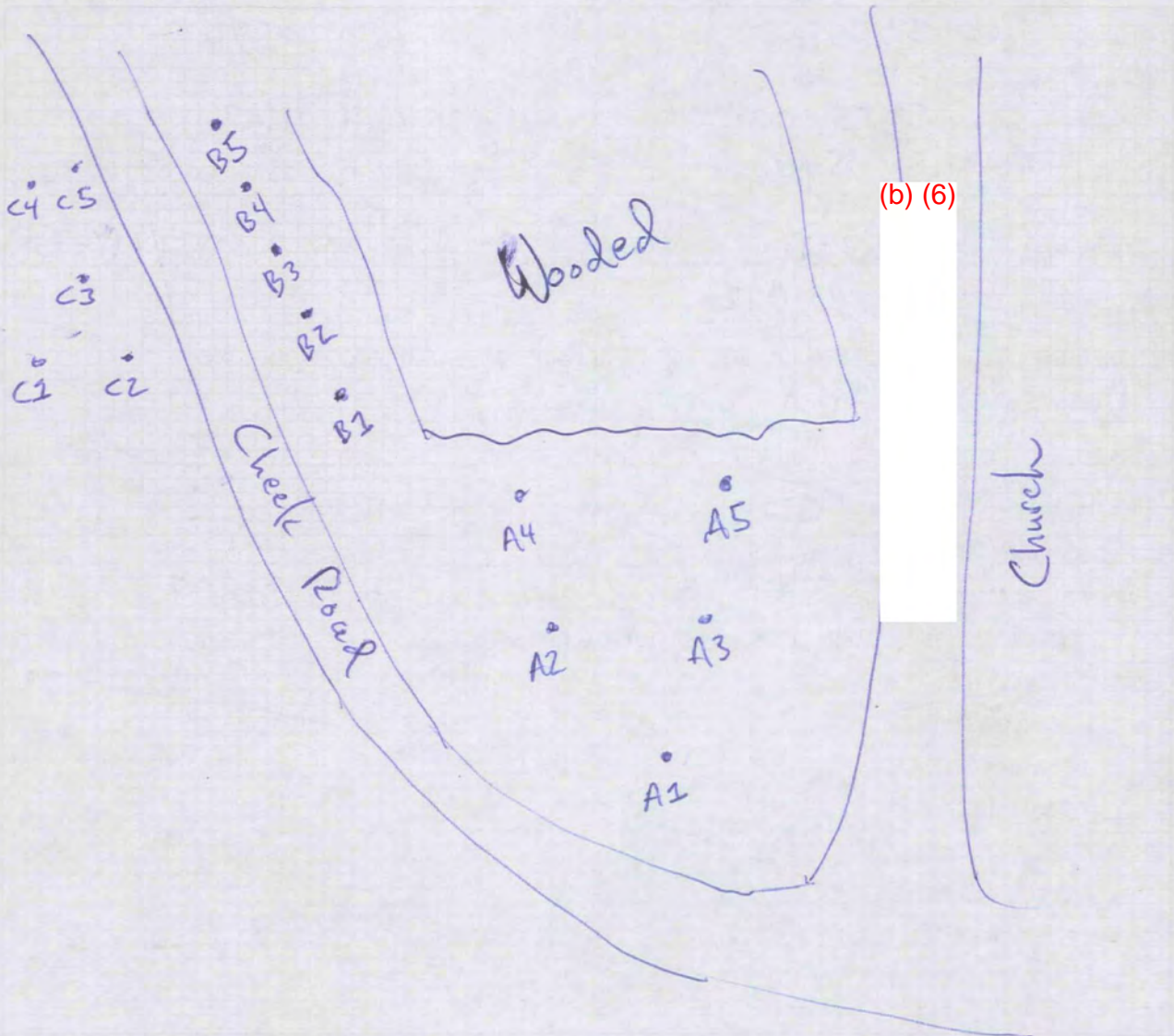
Other pertinent information (weather conditions, etc.):

cloudy + windy

PROPERTY COMMENTS:

Vacant city parcel

Grid for property sketch



FM0240A
STATION ID: AA0005A SAMPLE ID: FM0240A-CS
SAMPLE COLLECTION TIME: 1035

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Grassy area

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56861863</u>	N Longitude <u>86.80891790</u>	W	
Media description: <u>brown silty sand damp</u>			
Aliquot #2 Latitude: <u>33.56858665</u>	N Longitude <u>86.80896585</u>	W	
Media description: <u>Same</u>			
Aliquot #3: Latitude: <u>33.56862751</u>	N Longitude <u>86.80899102</u>	W	
Media description: <u>Same</u>			
Aliquot #4: Latitude: <u>33.56856164</u>	N Longitude <u>86.80903139</u>	W	
Media description: <u>Same</u>			
Aliquot #5: Latitude: <u>33.56863616</u>	N Longitude <u>86.80905013</u>	W	
Media description: <u>Same</u>			

STATION ID: FM0240B SAMPLE ID: FM0240B-CS
SAMPLE COLLECTION TIME: 1055

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Along sidewalk

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56848409</u>	N Longitude <u>86.80902263</u>	W	
Media description: <u>Silty topsoil then gray + brown silty clay</u>			
Aliquot #2 Latitude: <u>33.56842627</u>	N Longitude <u>86.80908546</u>	W	
Media description: <u>Same</u>			
Aliquot #3: Latitude: <u>33.56836567</u>	N Longitude <u>86.80913713</u>	W	
Media description: <u>Same</u>			
Aliquot #4: Latitude: <u>33.56830731</u>	N Longitude <u>86.80917437</u>	W	
Media description: <u>Same</u>			
Aliquot #5: Latitude: <u>33.56822570</u>	N Longitude <u>86.80921852</u>	W	
Media description: <u>Same</u>			

ADDRESS: **(b) (6)** PROPERTY ID: FM0240

DATE: 12/04/12 ARRIVAL TIME: 1020

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

See sketch on page 16.

STATION ID: FM0240C SAMPLE ID: FM0240C-CS

SAMPLE COLLECTION TIME: 1110

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

At corner of Cheek Road and 44th Ave N.

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <u>X</u> Instrument #: _____		Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56834843</u>	N Longitude <u>86.80887336</u>	W
Media description: <u>Brn silty soil damp</u>		
Aliquot #2 Latitude: <u>33.56828820</u>	N Longitude <u>86.80888072</u>	W
Media description: <u>Same soil</u>		
Aliquot #3: Latitude: <u>33.56829921</u>	N Longitude <u>86.80892924</u>	W
Media description: <u>Same soil</u>		
Aliquot #4: Latitude: <u>33.56826210</u>	N Longitude <u>86.80889165</u>	W
Media description: <u>Same soil</u>		
Aliquot #5: Latitude: <u>33.56826476</u>	N Longitude <u>86.80897553</u>	W
Media description: <u>Same soil</u>		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N
Aliquot #1: Latitude: _____	N Longitude _____	W
Media description: _____		
Aliquot #2 Latitude: _____	N Longitude _____	W
Media description: _____		
Aliquot #3: Latitude: _____	N Longitude _____	W
Media description: _____		
Aliquot #4: Latitude: _____	N Longitude _____	W
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude _____	W
Media description: _____		

ADDRESS: (b) (6) PROPERTY ID: FM0242

DATE: 12/04/12 ARRIVAL TIME: 1125

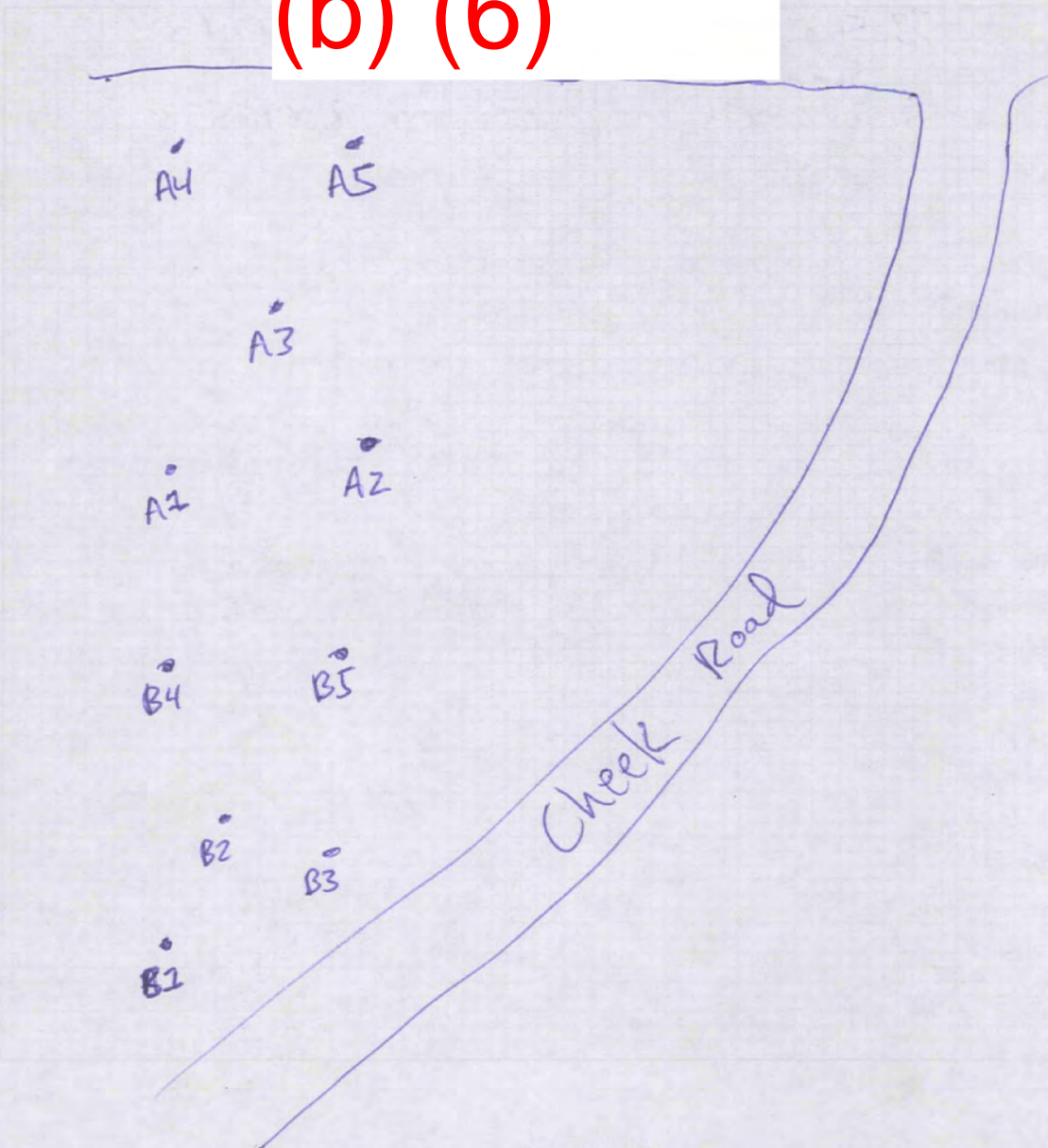
Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Fairmont Memorial Park

Grid for property sket

(b) (6)



STATION ID: FM0242ASAMPLE ID: FM0242A-CSSAMPLE COLLECTION TIME: 1135

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

1/2 of parcel fronting on 44th Ave. NCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____GPS Coordinates: Trimble ☒ Instrument #:Logged? Y or NAliquot #1: Latitude: 33.56832635 N Longitude 86.80858748 WMedia description: Brown silty soil dampAliquot #2 Latitude: 33.56832492 N Longitude 86.80868116 WMedia description: Same soilAliquot #3: Latitude: 33.46819411 N Longitude 86.80857489 WMedia description: Same soilAliquot #4: Latitude: 33.56825785 N Longitude 86.80862746 WMedia description: Same soilAliquot #5: Latitude: 33.58619434 N Longitude 86.80865435 WMedia description: Same soilSTATION ID: FM0242BSAMPLE ID: FM0242B-CSSAMPLE COLLECTION TIME: 1150

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

1/2 of parcel fronting on Cheek RoadCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____GPS Coordinates: Trimble ☒ Instrument #:Logged? Y or NAliquot #1: Latitude: 33.56832635 RS N Longitude 86.80858748 RS WMedia description: 33.5685599086.80860102Aliquot #2 Latitude: 33.56832492 RS N Longitude 86.80868116 RS WMedia description: 33.5684868286.80859839Aliquot #3: Latitude: 33.56848132 N Longitude 86.80869485 WMedia description: Brn silt then white + orange mottled clay tightAliquot #4: Latitude: 33.56838881 N Longitude 86.80858817 WMedia description: Same soilAliquot #5: Latitude: 33.5683376 N Longitude 86.80868770 WMedia description: 56837610

ADDRESS: (b) (6) PROPERTY ID: FM0211

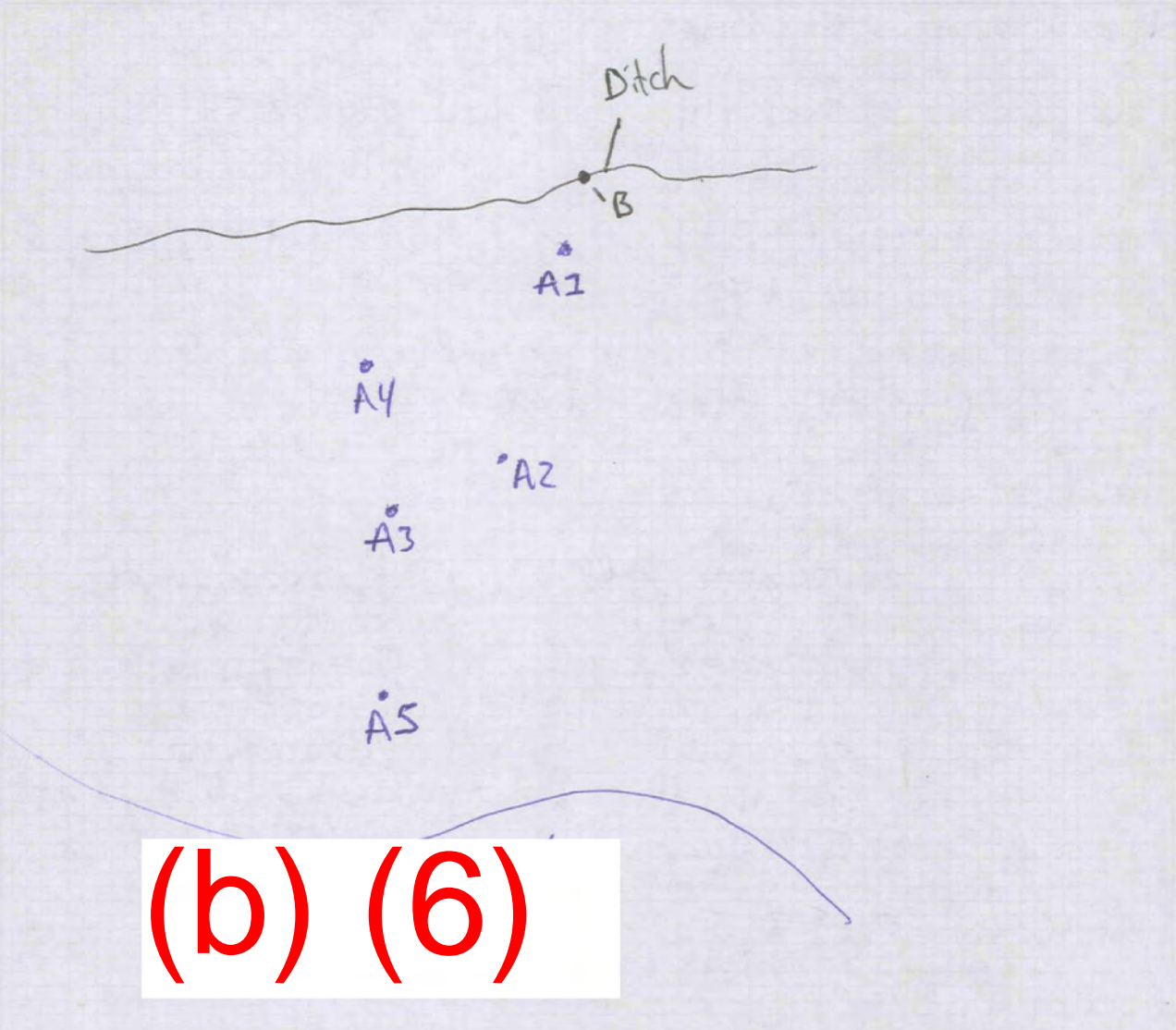
DATE: 12/04/12 ARRIVAL TIME: 1350

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Vacant city lot thick underbrush

Grid for property sketch



STATION ID: FM0211A SAMPLE ID: FM0211A-CS

SAMPLE COLLECTION TIME: 1405

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Wooded area

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: FM0211A-CSD

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: _____		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.57089472</u>	N Longitude: <u>86.80647229</u>	W	
Media description: <u>Brn silty clay damp</u>			
Aliquot #2: Latitude: <u>33.57086687</u>	N Longitude: <u>86.80644078</u>	W	
Media description: <u>Same</u>			
Aliquot #3: Latitude: <u>33.57095391</u>	N Longitude: <u>86.80645759</u>	W	
Media description: <u>Same</u>			
Aliquot #4: Latitude: <u>33.57092477</u>	N Longitude: <u>86.80637359</u>	W	
Media description: <u>Same</u>			
Aliquot #5: Latitude: <u>33.57098386</u>	N Longitude: <u>86.80647221</u>	W	
Media description: <u>Same</u>			

STATION ID: FM0211B SAMPLE ID: FM0211B-CS

SAMPLE COLLECTION TIME: 1415

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Ditch

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: _____		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.57076104</u>	N Longitude: <u>86.80638563</u>	W	
Media description: <u>Gravel with some clay</u>			
Aliquot #2: Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #3: Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude: _____	W	
Media description: _____			

ADDRESS: **(b) (6)** PROPERTY ID: FM0218

DATE: 12/04/12 ARRIVAL TIME: 1445

Other pertinent information (weather conditions, etc.):

Cloudy

PROPERTY COMMENTS:

Wooded Vacant

Grid for property sketch

A5

A4

A3

A2

A1

(b) (6)

STATION ID: FM0218 ASAMPLE ID: FM0218A-CSSAMPLE COLLECTION TIME: 1500

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Down the middle of the parcelCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____GPS Coordinates: Trimble ☒ Instrument #: _____ Logged? Y or NAliquot #1: Latitude: 33.57105303 N Longitude 86.80592683 WMedia description: Dk brn silty soil dampAliquot #2 Latitude: 33.57097285 N Longitude 86.80588092 WMedia description: Same SoilAliquot #3: Latitude: 33.57090638 N Longitude 86.80590909 WMedia description: Same SoilAliquot #4: Latitude: 33.57085091 N Longitude 86.80591048 WMedia description: Same SoilAliquot #5: Latitude: 33.57080633 N Longitude 86.80586188 WMedia description: Same Soil

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

(b) (6)

ADDRESS:

PROPERTY ID: FM0220

DATE:

12/04/12

ARRIVAL TIME:

1525

Other pertinent information (weather conditions, etc.):

Light rain

PROPERTY COMMENTS:

Vacant parcel with dense vegetation.

Appears to be an old foundation,

Grid for property sketch

Stormwater Drain
! B
A4
A5
— Old Foundation
A3
A2
A1

(b) (6)

STATION ID: FM0220A SAMPLE ID: FM0220A-CS

SAMPLE COLLECTION TIME: 1540

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

In the wooded area

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble X Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: 33.57109298 N Longitude 86.80580266 W

Media description: Dk brn silty with clay damp

Aliquot #2 Latitude: 33.57105503 N Longitude 86.80580862 W

Media description: Same

Aliquot #3: Latitude: 33.57104204 N Longitude 86.80578247 W

Media description: Same

Aliquot #4: Latitude: 33.57100226 N Longitude 86.80572133 W

Media description: Same

Aliquot #5: Latitude: 33.57115128 N Longitude 86.80570752 W

Media description: Same

STATION ID: FM0220B SAMPLE ID: FM0220B-GS

SAMPLE COLLECTION TIME: 1530

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Drain Ditch near stormwater drain

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble X Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Dk brn silty soil damp

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

(b) (6)

ADDRESS:

PROPERTY ID: HP0276

DATE:

12/65/12

ARRIVAL TIME:

0845

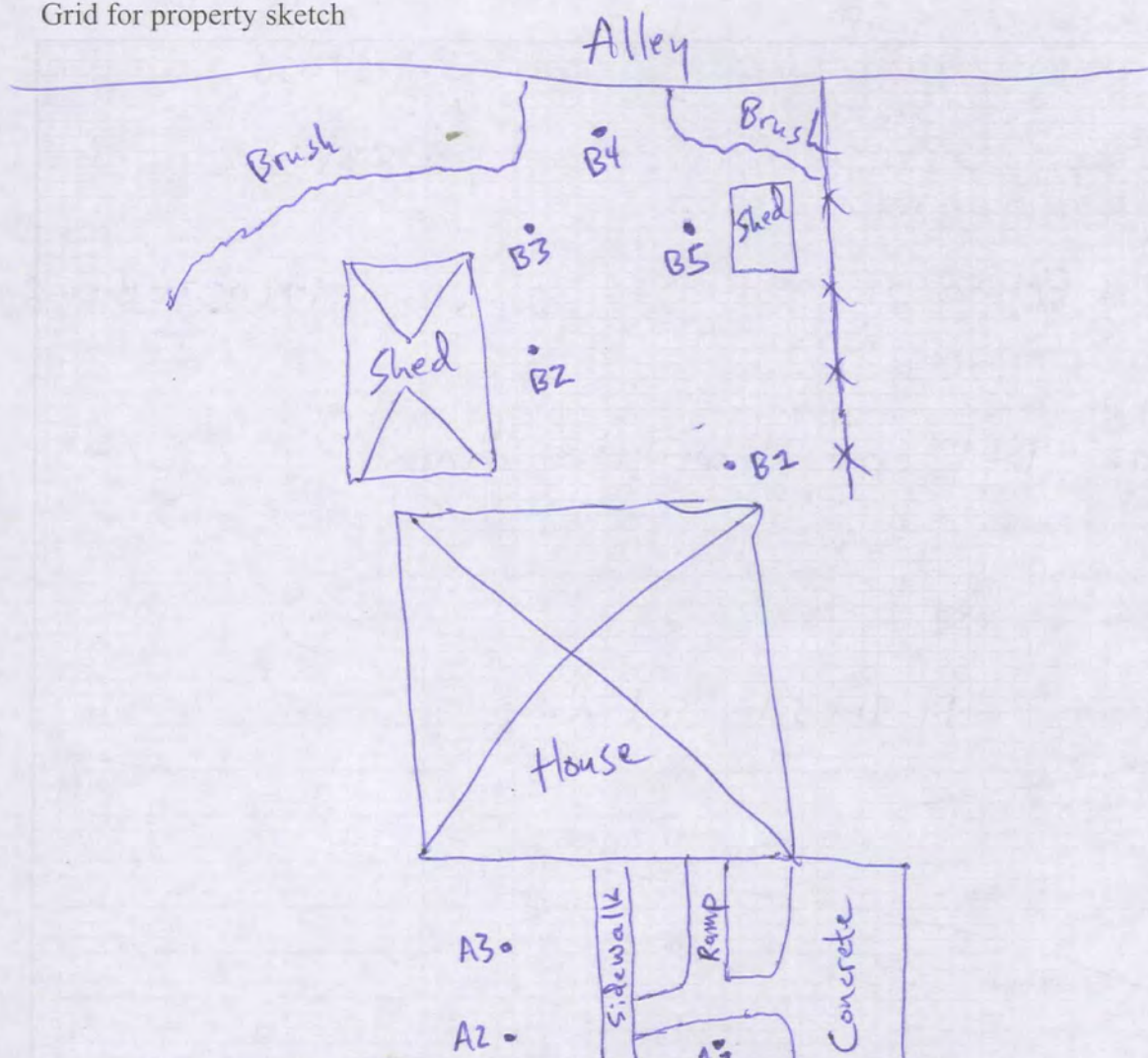
Other pertinent information (weather conditions, etc.):

60s° & overcast

PROPERTY COMMENTS:

Split samples also collected.

Grid for property sketch



(b) (6)

A2 to house is 23 ft.
B4 to house is 54 ft.

STATION ID: HP0276ASAMPLE ID: HP0276A-CSSAMPLE COLLECTION TIME: 0910

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: HP0276AGPS Coordinates: Trimble ☒ Instrument #: 018581Logged? Y or NAliquot #1: Latitude: 33.56750984 N Longitude 86.79142378 WMedia description: Dk brn silty soil dampAliquot #2 Latitude: 33.56750332 N Longitude 86.79137135 WMedia description: Same soilAliquot #3: Latitude: 33.56747534 N Longitude 86.79136934 WMedia description: Same soil~~Aliquot #4: Latitude: _____ N Longitude _____ W~~~~Media description: _____~~~~Aliquot #5: Latitude: _____ N Longitude _____ W~~~~Media description: _____~~STATION ID: HP0276BSAMPLE ID: HP0276B-CSSAMPLE COLLECTION TIME: 0930

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: HP0276BGPS Coordinates: Trimble ☒ Instrument #: _____Logged? Y or NAliquot #1: Latitude: 33.56729692 N Longitude 86.79145322 WMedia description: Dk brn silty soil with ^{rs} dampAliquot #2 Latitude: 33.56726906 N Longitude 86.79137506 WMedia description: Same soilAliquot #3: Latitude: 33.56722863 N Longitude 86.79137613 WMedia description: Same soilAliquot #4: Latitude: 33.56716438 N Longitude 86.79142028 WMedia description: Same soilAliquot #5: Latitude: 33.56723133 N Longitude 86.79145071 WMedia description: Same soil

STATION ID: HP0286A SAMPLE ID: HP0286A-CS

SAMPLE COLLECTION TIME: 1020

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front + sides

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0286A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018581</u>		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.56732866</u>	N Longitude <u>86.78954014</u>	W	
Media description: <u>Dk brn silty soil damp</u>			
Aliquot #2 Latitude: <u>33.56742360</u>	N Longitude <u>86.78957562</u>	W	
Media description: <u>Same soil</u>			
Aliquot #3: Latitude: <u>33.56742010</u>	N Longitude <u>86.78962317</u>	W	
Media description: <u>Same soil</u>			
Aliquot #4: Latitude: <u>33.56737964</u>	N Longitude <u>86.78965381</u>	W	
Media description: <u>Same soil</u>			
Aliquot #5: Latitude: <u>33.56733190</u>	N Longitude <u>86.78965078</u>	W	
Media description: <u>Same soil</u>			

STATION ID: HP0286B SAMPLE ID: HP0286B-CS

SAMPLE COLLECTION TIME: 1040

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0286B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018581</u>		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.56724120</u>	N Longitude <u>86.78954956</u>	W	
Media description: <u>Dk brn silty soil with some trash/fill</u>			
Aliquot #2 Latitude: <u>33.56725439</u>	N Longitude <u>86.78961955</u>	W	
Media description: <u>Same soil with a little clay</u>			
Aliquot #3: Latitude: <u>33.56716176</u>	N Longitude <u>86.78957198</u>	W	
Media description: <u>Same soil</u>			
Aliquot #4: Latitude: <u>33.56709709</u>	N Longitude <u>86.78955438</u>	W	
Media description: <u>Same soil</u>			
Aliquot #5: Latitude: <u>33.56712138</u>	N Longitude <u>86.78958869</u>	W	
Media description: <u>Same soil</u>			

ADDRESS: (b) (6) PROPERTY ID: HP0012

DATE: 12/05/12 ARRIVAL TIME: 1100

Other pertinent information (weather conditions, etc.):

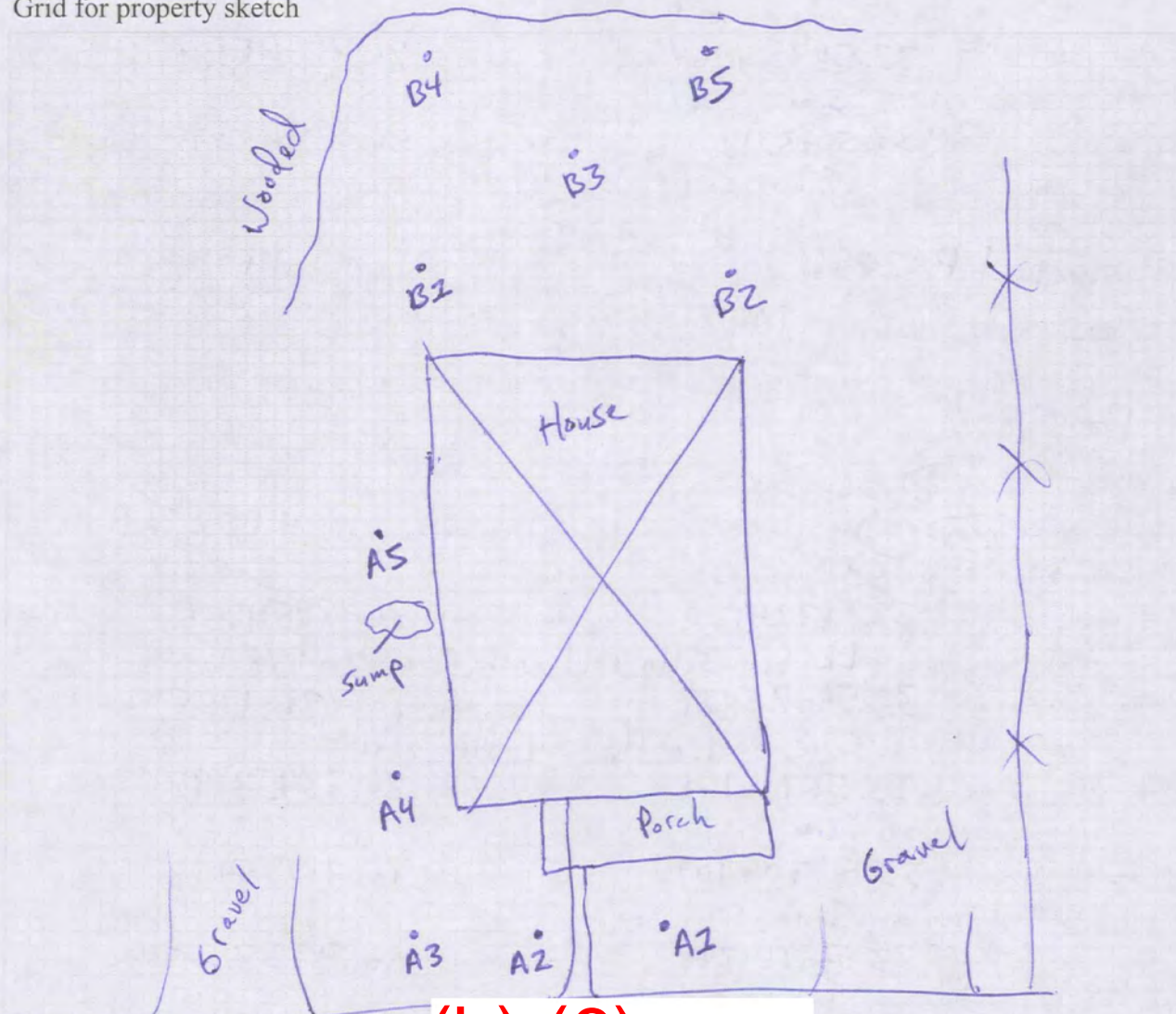
60s & cloudy

PROPERTY COMMENTS:

Flat property, no garden or playset visible.

There is a concrete sump located near the house.

Grid for property sketch



A1 to house is 21 ft
B5 to house is 43 ft

(b) (6)

STATION ID: HP0012A SAMPLE ID: HP0012A-CS

SAMPLE COLLECTION TIME: 1115

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front and side

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: HP0012A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018581</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56362236</u>	N Longitude <u>86.79625816</u> W
Media description: <u>Dk brn clayey silt damp</u>	
Aliquot #2 Latitude: <u>33.56359529</u>	N Longitude <u>86.79627558</u> W
Media description: <u>Same soil</u>	
Aliquot #3: Latitude: <u>33.56356393</u>	N Longitude <u>86.79627879</u> W
Media description: <u>Same soil</u>	
Aliquot #4: Latitude: <u>33.56355714</u>	N Longitude <u>86.79637032</u> W
Media description: <u>Same soil</u>	
Aliquot #5: Latitude: <u>33.56354882</u>	N Longitude <u>86.79642102</u> W
Media description: <u>Same soil</u>	

STATION ID: HP0012B SAMPLE ID: HP0012B-CS

SAMPLE COLLECTION TIME: 1145

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: HP0012B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018581</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56356514</u>	N Longitude <u>86.79650604</u> W
Media description: <u>Dk brn clayey silt damp</u>	
Aliquot #2 Latitude: <u>33.56363756</u>	N Longitude <u>86.79651467</u> W
Media description: <u>Same soil</u>	
Aliquot #3: Latitude: <u>33.56360724</u>	N Longitude <u>86.79655769</u> W
Media description: <u>Same soil</u>	
Aliquot #4: Latitude: <u>33.56356858</u>	N Longitude <u>86.79660610</u> W
Media description: <u>Same soil</u>	
Aliquot #5: Latitude: <u>33.56364513</u>	N Longitude <u>86.79659823</u> W
Media description: <u>Same soil except black</u>	

(b) (6)

ADDRESS:

PROPERTY ID:

HP0022

DATE:

12/05/12

ARRIVAL TIME:

1320

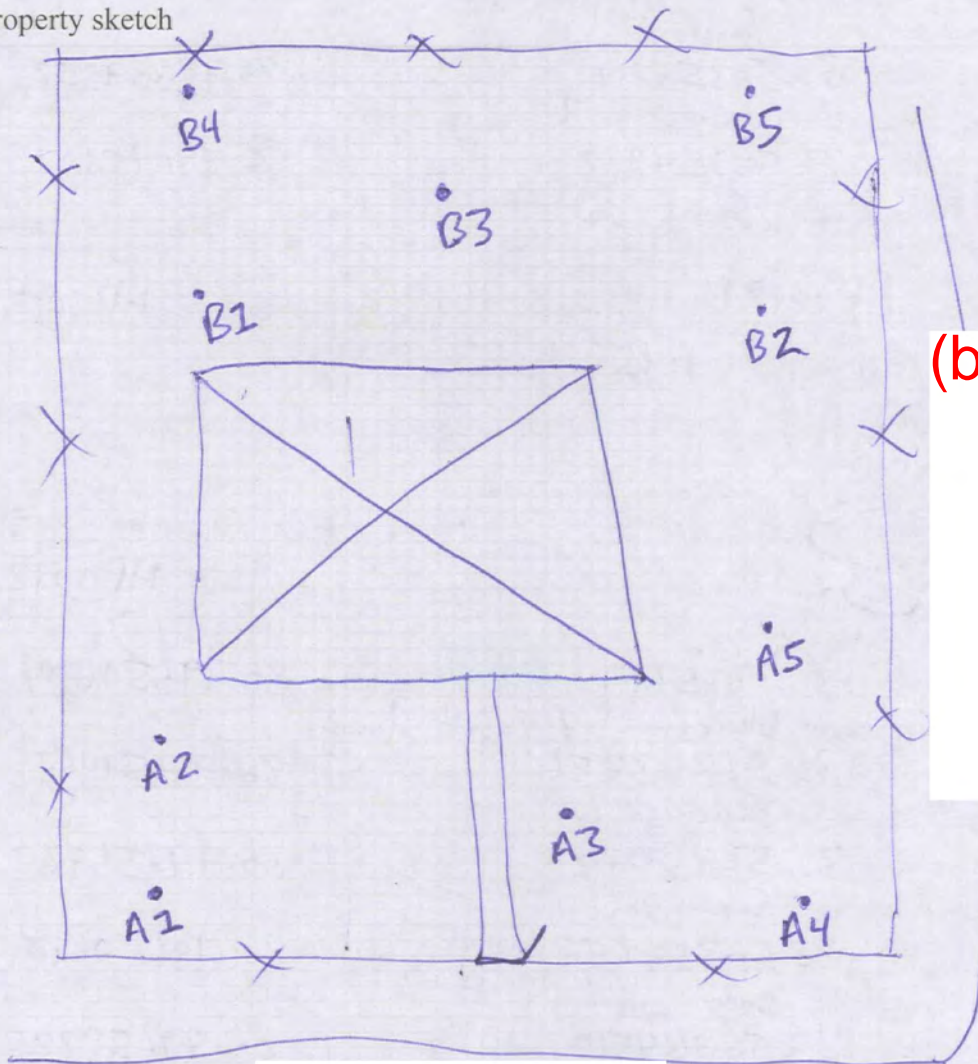
Other pertinent information (weather conditions, etc.):

Cloudy + light misty

PROPERTY COMMENTS:

No garden or playset

Grid for property sketch



(b) (6)

(b) (6)

A4 to house is 25 ft.

B5 to house is 57 ft.

STATION ID: HP0022A SAMPLE ID: HP0022A-CS

SAMPLE COLLECTION TIME: 1345

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0022A-CSD

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018581</u>		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.56768271</u>	N Longitude <u>86.79069296</u>	W	
Media description: <u>Dk brn silty soil with a little clay</u>			
Aliquot #2 Latitude: <u>33.56768105</u>	N Longitude <u>86.79062641</u>	W	
Media description: <u>Same</u>			
Aliquot #3: Latitude: <u>33.56761618</u>	N Longitude <u>86.79066987</u>	W	
Media description: <u>Same</u>			
Aliquot #4: Latitude: <u>33.56758858</u>	N Longitude <u>86.79067972</u>	W	
Media description: <u>Same</u>			
Aliquot #5: Latitude: <u>33.56758855</u>	N Longitude <u>86.79059177</u>	W	
Media description: <u>Same</u>			

STATION ID: HP0022B SAMPLE ID: HP0022B-CS

SAMPLE COLLECTION TIME: 1410

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0022B-CSD

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.56766394</u>	N Longitude <u>86.79046580</u>	W	
Media description: <u>Dk brn silty soil</u>			
Aliquot #2 Latitude: <u>33.56757871</u>	N Longitude <u>86.79048275</u>	W	
Media description: <u>Same Soil</u>			
Aliquot #3: Latitude: <u>33.56762202</u>	N Longitude <u>86.79036626</u>	W	
Media description: <u>Same soil</u>			
Aliquot #4: Latitude: <u>33.56766123</u>	N Longitude <u>86.79028321</u>	W	
Media description: <u>Dk brn silty soil with tan sand</u>			
Aliquot #5: Latitude: <u>33.56757747</u>	N Longitude <u>86.79030488</u>	W	
Media description: <u>Dk brn silty soil</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

HP0067

DATE:

12/05/12

ARRIVAL TIME:

1435

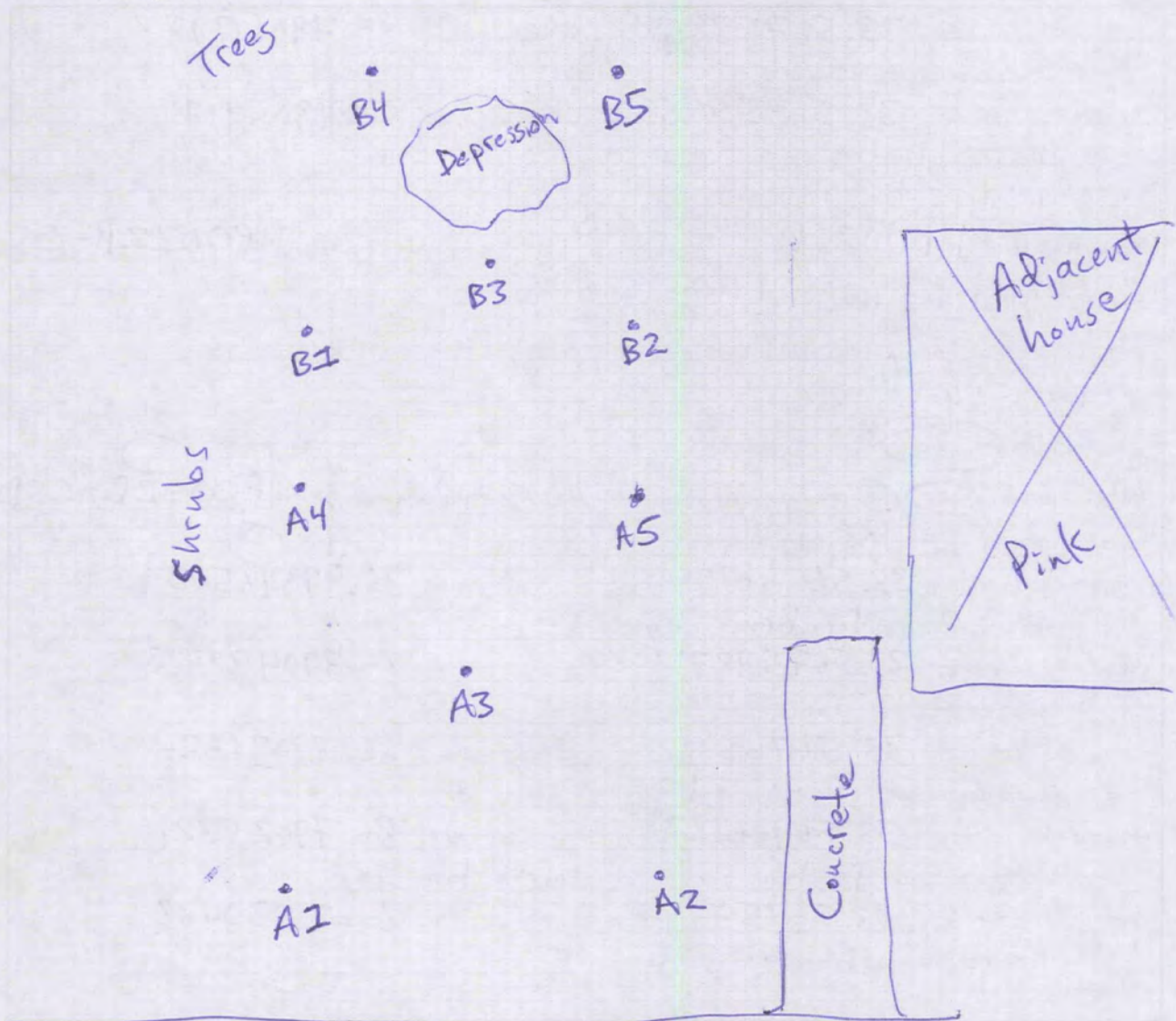
Other pertinent information (weather conditions, etc.):

60's + cloudy

PROPERTY COMMENTS:

Vacant lot

Grid for property sketch



(b) (6)

STATION ID: HP0067A-~~CS~~^{RS} SAMPLE ID: HP0067A-CS
SAMPLE COLLECTION TIME: 1500

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front half

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0067A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56400139</u>	N Longitude <u>86.79119743</u> W
Media description: <u>Dk brn silty soil damp</u>	
Aliquot #2 Latitude: <u>33.56399527</u>	N Longitude <u>86.79111150</u> W
Media description: <u>Same soil</u>	
Aliquot #3: Latitude: <u>33.56406513</u>	N Longitude <u>86.79115306</u> W
Media description: <u>Same soil</u>	
Aliquot #4: Latitude: <u>33.56411449</u>	N Longitude <u>86.79119467</u> W
Media description: <u>Same soil</u>	
Aliquot #5: Latitude: <u>33.56412014</u>	N Longitude <u>86.79111158</u> W
Media description: <u>Same soil</u>	

STATION ID: HP0067B-~~CS~~^{RS} SAMPLE ID: HP0067B-CS
SAMPLE COLLECTION TIME: 1520

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back half

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0067B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56417712</u>	N Longitude <u>86.79116953</u> W
Media description: <u>Dk brn silty soil</u>	
Aliquot #2 Latitude: <u>33.56416371</u>	N Longitude <u>86.79111192</u> W
Media description: <u>Dk brn silty soil with black chunks</u>	
Aliquot #3: Latitude: <u>33.56423199</u>	N Longitude <u>86.79113765</u> W
Media description: <u>Dk brn silty soil</u>	
Aliquot #4: Latitude: <u>33.56431370</u>	N Longitude <u>86.79115104</u> W
Media description: <u>Same soil</u>	
Aliquot #5: Latitude: <u>33.56429394</u>	N Longitude <u>86.79110793</u> W
Media description: <u>Same soil</u>	

ADDRESS: (b) (6) PROPERTY ID: CV-0641

DATE: 12-6-12 ARRIVAL TIME: 0845

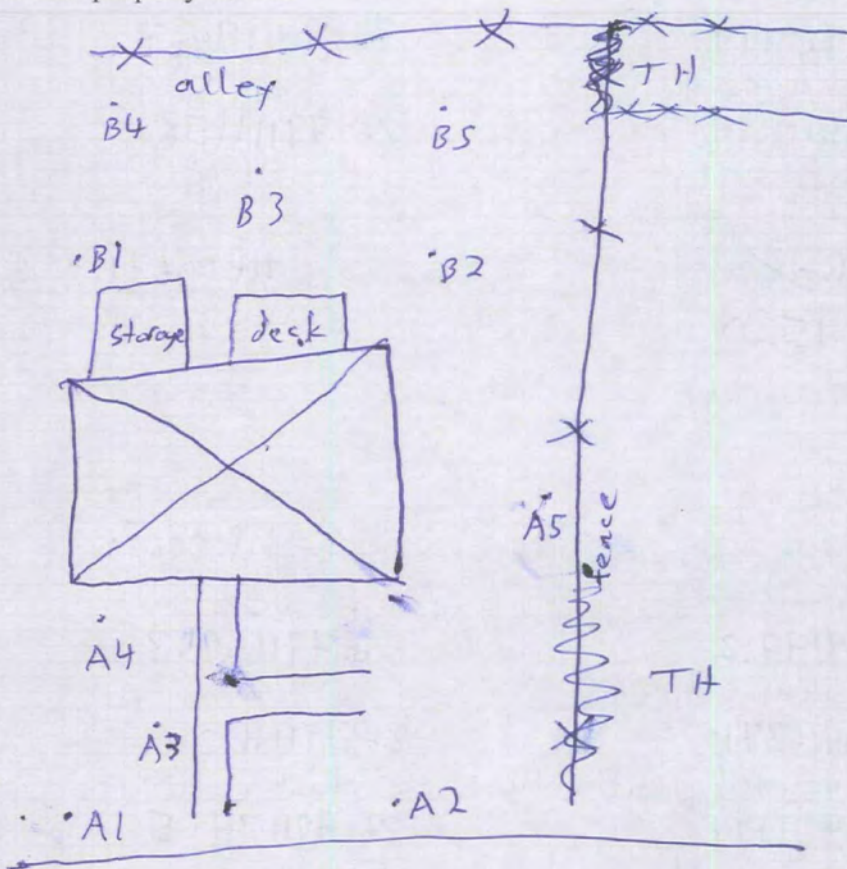
Other pertinent information (weather conditions, etc.):

clear, cool

PROPERTY COMMENTS:

Split samples collected. No garden or play set observed.

Grid for property sketch



(b) (6)

A1 to house is 30 ft.

B5 to house is 77 ft.

STATION ID: CV-0641A SAMPLE ID: CV-0641A-CS

SAMPLE COLLECTION TIME: 0920

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018581</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55858580</u>	N Longitude: <u>86.80189635</u>	W
Media description: <u>Dk brown silty soil</u>		
Aliquot #2: Latitude: <u>33.55862871</u>	N Longitude: <u>86.80182016</u>	W
Media description: <u>Same soil</u>		
Aliquot #3: Latitude: <u>33.55861144</u>	N Longitude: <u>86.80186669</u>	W
Media description: <u>Same soil</u>		
Aliquot #4: Latitude: <u>33.55864353</u>	N Longitude: <u>86.80195782</u>	W
Media description: <u>Same soil</u>		
Aliquot #5: Latitude: <u>33.55872199</u>	N Longitude: <u>86.80190648</u>	W
Media description: <u>Same soil</u>		

STATION ID: CV-0641B SAMPLE ID: CV-0641B+CS

SAMPLE COLLECTION TIME: 0950

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: _____	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55872426</u>	N Longitude: <u>86.80205558</u>	W
Media description: <u>Dk brown silty soil</u>		
Aliquot #2: Latitude: <u>33.55878478</u>	N Longitude: <u>86.80199640</u>	W
Media description: <u>Same soil with coal fragments</u>		
Aliquot #3: Latitude: <u>33.55880013</u>	N Longitude: <u>86.80210061</u>	W
Media description: <u>Same soil</u>		
Aliquot #4: Latitude: <u>33.55883728</u>	N Longitude: <u>86.80223267</u>	W
Media description: <u>Same soil</u>		
Aliquot #5: Latitude: <u>33.55889236</u>	N Longitude: <u>86.80213628</u>	W
Media description: <u>Same soil</u>		

ADDRESS: (b) (6) PROPERTY ID: HP0070

DATE: 12-6-12 ARRIVAL TIME: 1015

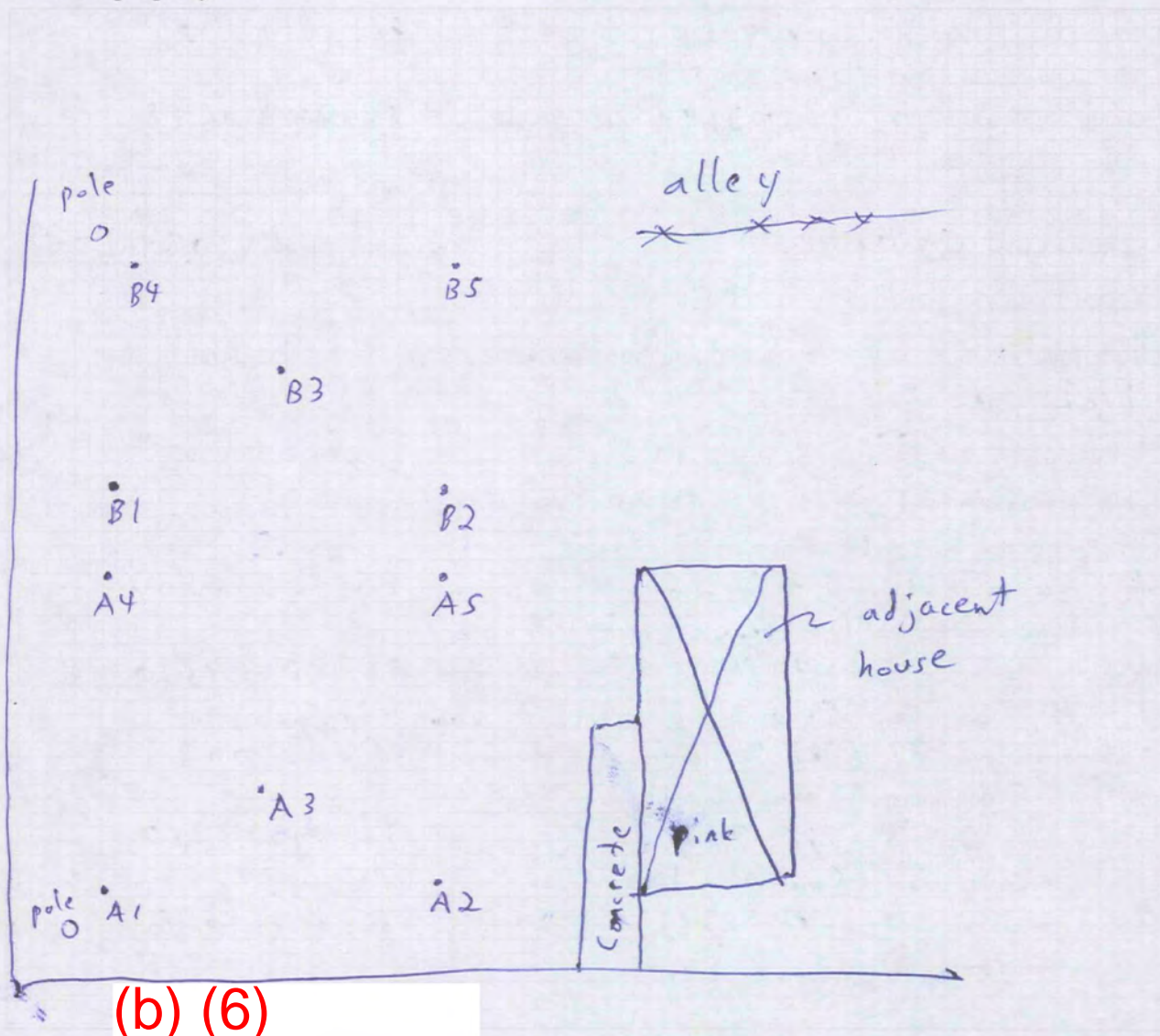
Other pertinent information (weather conditions, etc.):

clear, mild

PROPERTY COMMENTS:

split samples collected Vacant lot

Grid for property sketch



STATION ID: HP0070A SAMPLE ID: HP0070A-CS

SAMPLE COLLECTION TIME: 1040

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: _____		Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56397418</u>	N Longitude: <u>86.79067877</u>	W
Media description: <u>Dk Brn Silty clay</u>		
Aliquot #2 Latitude: <u>33.56398063</u>	N Longitude: <u>86.79060506</u>	W
Media description: <u>same soil</u>		
Aliquot #3: Latitude: <u>33.56403985</u>	N Longitude: <u>86.79065191</u>	W
Media description: <u>same soil</u>		
Aliquot #4: Latitude: <u>33.56410778</u>	N Longitude: <u>86.79069777</u>	W
Media description: <u>same soil</u>		
Aliquot #5: Latitude: <u>33.56411375</u>	N Longitude: <u>86.79060029</u>	W
Media description: <u>same soil</u>		

STATION ID: HP0070B SAMPLE ID: HP0070B-CS

SAMPLE COLLECTION TIME: 1110

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: _____		Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56416234</u>	N Longitude: <u>86.79069631</u>	W
Media description: <u>Dk Brn Silty Clay, Possible wire fluff</u>		
Aliquot #2 Latitude: <u>33.56417546</u>	N Longitude: <u>86.79062832</u>	W
Media description: <u>Dk Brn Silty Clay</u>		
Aliquot #3: Latitude: <u>33.56423201</u>	N Longitude: <u>86.79066341</u>	W
Media description: <u>Dk Brn silty Clay</u>		
Aliquot #4: Latitude: <u>33.56429521</u>	N Longitude: <u>86.79070477</u>	W
Media description: <u>Dk Brn Silty Clay, Possible wire fluff</u>		
Aliquot #5: Latitude: <u>33.56429513</u>	N Longitude: <u>86.79060397</u>	W
Media description: <u>Dk Brn Silty Clay</u>		

(b) (6)

ADDRESS

PROPERTY ID: CV-0640

DATE: 12-6-12

ARRIVAL TIME: 13:10

Other pertinent information (weather conditions, etc.):

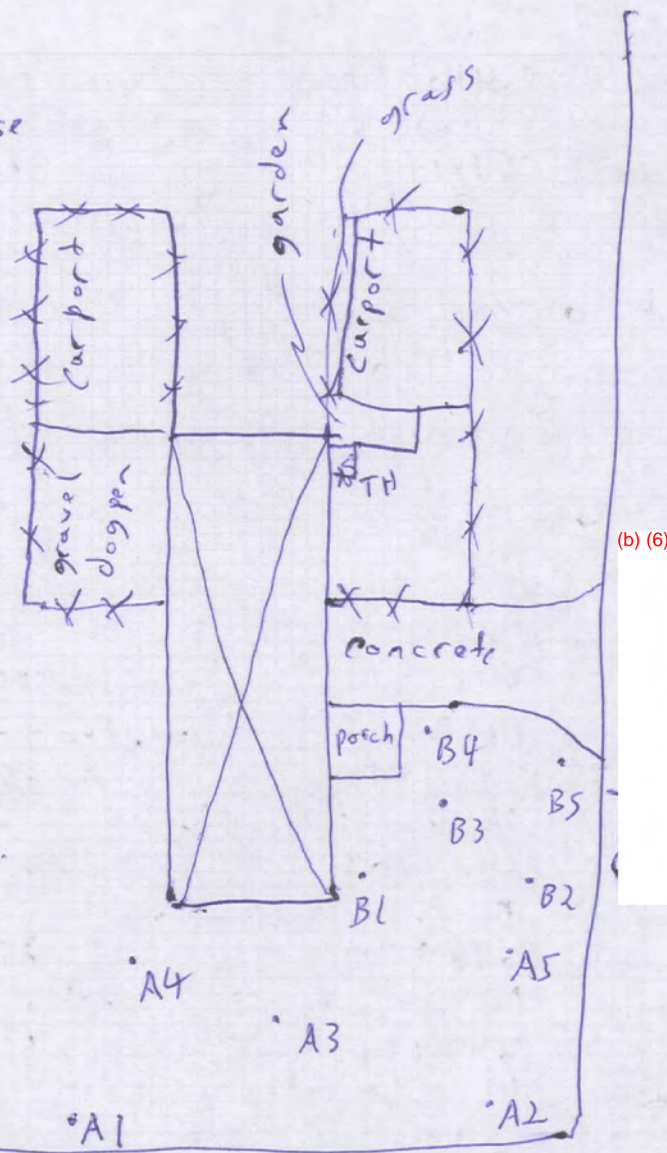
partly cloudy, mild

PROPERTY COMMENTS:

split sample collected, Tomato and pepper
garden observed

Grid for property sketch

B-5 - 25ft from house
A-2 - 30ft from house



(b) (6)

STATION ID: CV-0640ASAMPLE ID: CV-0640A-CSSAMPLE COLLECTION TIME: 1350

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: _____		Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55844773</u>	N Longitude <u>86.80179229</u>	W
Media description: <u>Dk Brn Silty Clay</u>		
Aliquot #2 Latitude: <u>33.55836629</u>	N Longitude <u>86.80188371</u>	W
Media description: <u>same soil</u>		
Aliquot #3: Latitude: <u>33.55838704</u>	N Longitude <u>86.80182096</u>	W
Media description: <u>same soil</u>		
Aliquot #4: Latitude: <u>33.55841110</u>	N Longitude <u>86.80173992</u>	W
Media description: <u>same soil</u>		
Aliquot #5: Latitude: <u>33.55830235</u>	N Longitude <u>86.80185455</u>	W
Media description: <u>same soil</u>		

STATION ID: CV-0640-BSAMPLE ID: CV-0640B-CSSAMPLE COLLECTION TIME: 1410

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: _____		Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55830712</u>	N Longitude <u>86.80178343</u>	W
Media description: <u>Brn Silty Clay</u>		
Aliquot #2 Latitude: <u>33.55826581</u>	N Longitude <u>86.80181316</u>	W
Media description: <u>same soil</u>		
Aliquot #3: Latitude: <u>33.55826439</u>	N Longitude <u>86.80177827</u>	W
Media description: <u>same soil</u>		
Aliquot #4: Latitude: <u>33.55823154</u>	N Longitude <u>86.80172748</u>	W
Media description: <u>same soil</u>		
Aliquot #5: Latitude: <u>33.55821514</u>	N Longitude <u>86.80176869</u>	W
Media description: <u>same soil</u>		

(b) (6)

ADDRESS

PROPERTY ID: CV-0640

DATE: 12-6-12

ARRIVAL TIME: 13:10

Other pertinent information (weather conditions, etc.):

partly cloudy, mild

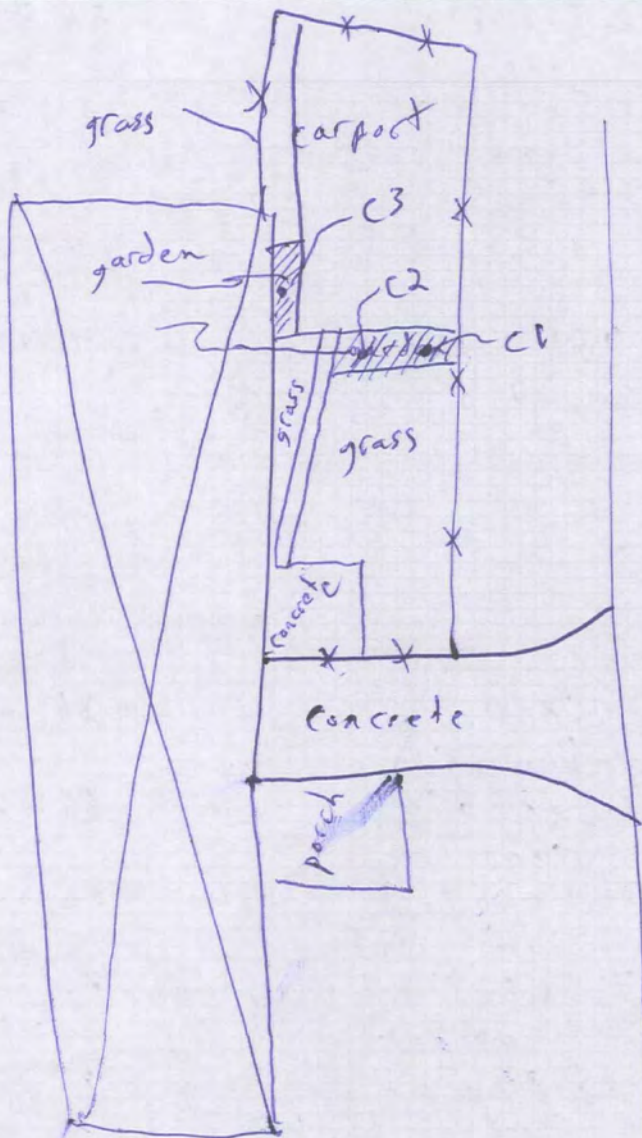
PROPERTY COMMENTS:

Garden sample

Grid for property sketch

C1 to house

14.5 ft



(b) (6)

STATION ID: CV0640CSAMPLE ID: CV0640C-CSSAMPLE COLLECTION TIME: 1420

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

2 small gardens sampledCollection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____GPS Coordinates: Trimble ☒ Instrument #: _____ Logged? Y or NAliquot #1: Latitude: 33.55814591 N Longitude 86.80162998 WMedia description: Dk brown silty clayAliquot #2 Latitude: 33.55814694 N Longitude 86.80160338 WMedia description: same soilAliquot #3: Latitude: 33.55816094 N Longitude 86.80159282 WMedia description: same soil

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble ☐ Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

ADDRESS: (b) (6) PROPERTY ID: HP0095

DATE: 12-6-12 ARRIVAL TIME: 14:45

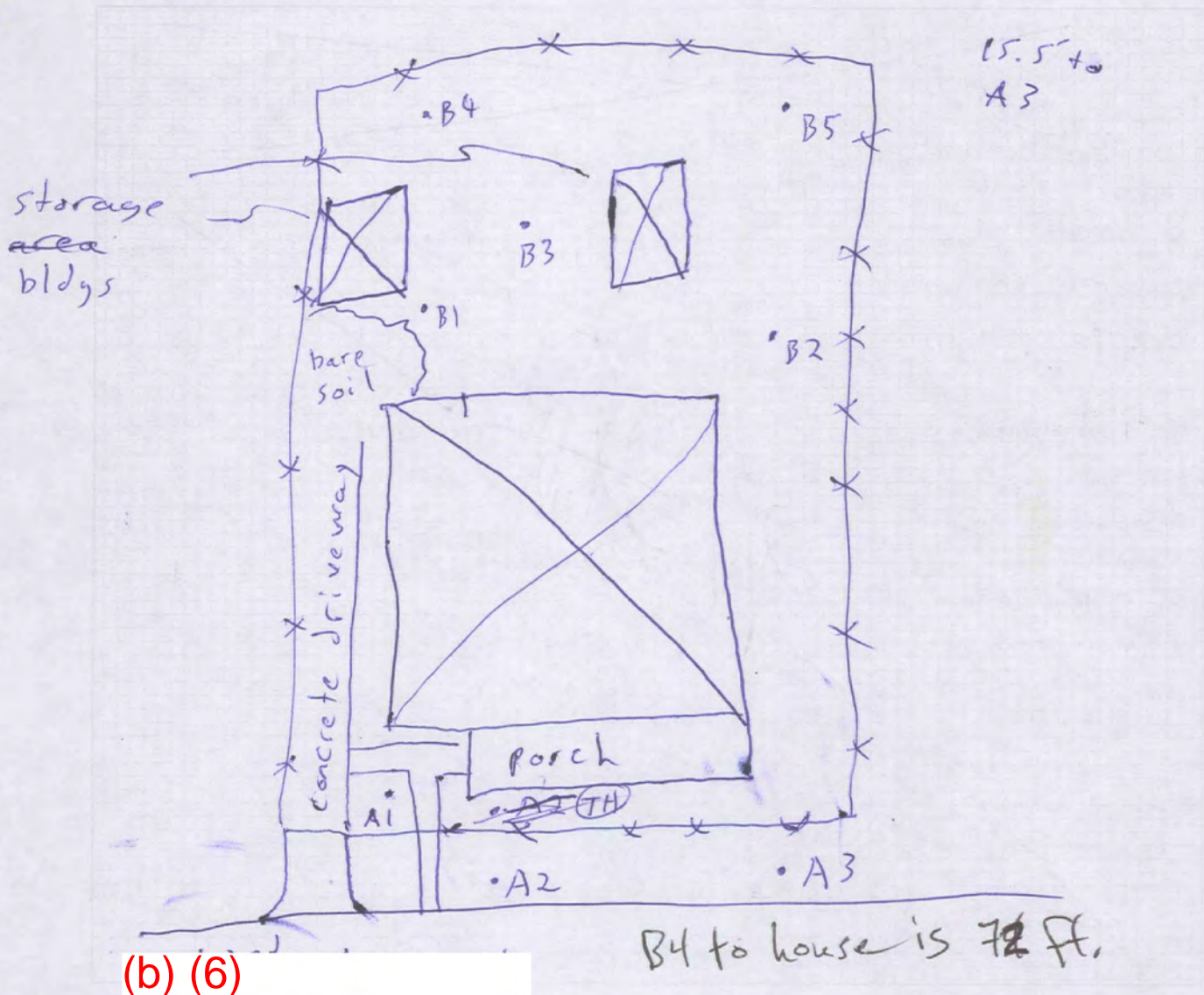
Other pertinent information (weather conditions, etc.):

partly cloudy, mild

PROPERTY COMMENTS:

Split samples collected No garden or
playset observed.

Grid for property sketch



(b) (6)

HP0095A

STATION ID

(b) (6)

SAMPLE ID:

HP0095A-CS

SAMPLE COLLECTION TIME: 1510

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble ☒ Instrument #:Logged? ☒ Y or N

Aliquot #1: Latitude: 33.56490860 N Longitude: 86.79452024 W

Media description: Dk brn silty soil with orange clay

Aliquot #2: Latitude: 33.56493086 N Longitude: 86.79454850 W

Media description: same soil

Aliquot #3: Latitude: 33.56491966 N Longitude: 86.79460049 W

Media description: same soil

Aliquot #4: Latitude: N Longitude: W

Media description:

Aliquot #5: Latitude: N Longitude: W

Media description:

STATION ID:

HP0095B

SAMPLE ID:

HP0095-B-CS

SAMPLE COLLECTION TIME: 1530

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble ☒ Instrument #:Logged? ☒ Y or N

Aliquot #1: Latitude: 33.56466980 N Longitude: 86.79450329 W

Media description: Dk brn silty soil with orange clay

Aliquot #2: Latitude: 33.56469174 N Longitude: 86.79461119 W

Media description: same soil

Aliquot #3: Latitude: 33.56462274 N Longitude: 86.79454273 W

Media description: same soil

Aliquot #4: Latitude: 33.56455695 N Longitude: 86.79451604 W

Media description:

Aliquot #5: Latitude: 33.56456675 N Longitude: 86.79459382 W

Media description:

(b) (6)

ADDRESS: _____ PROPERTY ID: HP-0054

DATE: 12-7-12 ARRIVAL TIME: 0830

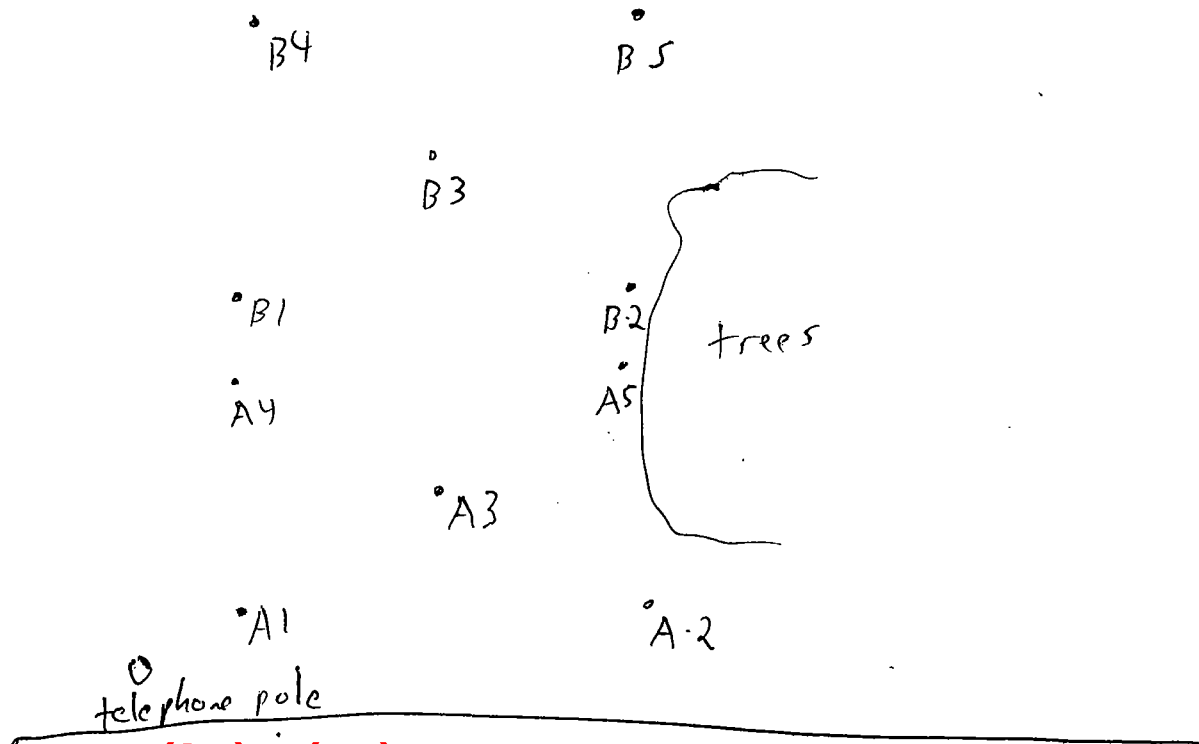
Other pertinent information (weather conditions, etc.):

Overcast, cool

PROPERTY COMMENTS:

Vacant lot

Grid for property sketch



(b) (6)

STATION ID: HP-0054ASAMPLE ID: HP-0054A-CSSAMPLE COLLECTION TIME: 09:05

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front of lotCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018581</u>	Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.56408587</u>	N Longitude	<u>86.79360973</u>	W
	Media description:	<u>Dk Brn Silty Clay</u>			
Aliquot #2:	Latitude:	<u>33.56407747</u>	N Longitude	<u>86.79350981</u>	W
	Media description:	<u>same soil</u>			
Aliquot #3:	Latitude:	<u>33.56415295</u>	N Longitude	<u>86.79354467</u>	W
	Media description:	<u>same soil</u>			
Aliquot #4:	Latitude:	<u>33.56421159</u>	N Longitude	<u>86.79359929</u>	W
	Media description:	<u>same soil</u>			
Aliquot #5:	Latitude:	<u>33.56421561</u>	N Longitude	<u>86.79348194</u>	W
	Media description:	<u>same soil</u>			

STATION ID: HP-0054BSAMPLE ID: HP-0054B-CSSAMPLE COLLECTION TIME: 09:30

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back of lotCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:		Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.56427883</u>	N Longitude	<u>86.79360630</u>	W
	Media description:	<u>Dk Brn Silty Clay</u>			
Aliquot #2:	Latitude:	<u>33.56427290</u>	N Longitude	<u>86.79348911</u>	W
	Media description:	<u>same soil</u>			
Aliquot #3:	Latitude:	<u>33.56433913</u>	N Longitude	<u>86.79355686</u>	W
	Media description:	<u>same soil</u>			
Aliquot #4:	Latitude:	<u>33.56442476</u>	N Longitude	<u>86.79360191</u>	W
	Media description:	<u>same soil</u>			
Aliquot #5:	Latitude:	<u>33.56441661</u>	N Longitude	<u>86.79348945</u>	W
	Media description:	<u>same soil</u>			

ADDRESS: (b) (6)

PROPERTY ID: HP0061

DATE: 12/07/12

ARRIVAL TIME: 0930

Other pertinent information (weather conditions, etc.):

Cloudy

PROPERTY COMMENTS:

City property with a garden

Grid for property sketch

~~B4~~ RS
B5

~~B5~~ RS
B4

~~B3~~ RS

~~B2~~ RS
A2

~~B2~~ RS
B3

~~A4~~ RS
A2

~~A5~~ RS
B2

~~A3~~ RS

~~A2~~ RS
A3

~~A2~~ RS
B2

41st Ave North

STATION ID: HP0061ASAMPLE ID: HP0061A-CSSAMPLE COLLECTION TIME: 0943

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front half RS GardenCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <u>X</u> Instrument #: <u>020168</u>		Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56431176490</u>	N Longitude <u>86.79229044050</u>	W
Media description: <u>Brown silty clay damp with coal fragments</u>		
Aliquot #2: Latitude: <u>33.5642371730</u>	N Longitude <u>86.792285500460</u>	W
Media description: <u>Same soil</u>		
Aliquot #3: Latitude: <u>33.56415784860</u>	N Longitude <u>86.7922614480</u>	W
Media description: <u>Dk bra silty soil</u>		
Aliquot #4: Latitude: _____	N Longitude _____	W
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude _____	W
Media description: _____		

STATION ID: HP0061BSAMPLE ID: HP0061B-CSDSAMPLE COLLECTION TIME: 0945

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0061B

GPS Coordinates: Trimble <u>X</u> Instrument #: _____		Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56418073520</u>	N Longitude <u>86.79220340450</u>	W
Media description: <u>dark bra silty soil damp</u>		
Aliquot #2: Latitude: <u>33.56422347980</u>	N Longitude <u>86.79217986520</u>	W
Media description: <u>Same</u>		
Aliquot #3: Latitude: <u>33.56428588740</u>	N Longitude <u>86.79217760930</u>	W
Media description: <u>Same</u>		
Aliquot #4: Latitude: <u>33.56434730420</u>	N Longitude <u>86.79219423270</u>	W
Media description: _____		
Aliquot #5: Latitude: <u>33.56436791930</u>	N Longitude <u>86.79226065820</u>	W
Media description: <u>Same</u>		

The remaining pages in this logbook are
blank and have not been scanned.